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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 11025940 A

(43) Date of publication of application: 29.01.1999

(51) Int. Cl. H01M 2/10

H02J 7/00, H04Q 7/32, H04M 1/02

(21) Application number: 09187415

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(22) Date of filing: 27.06.1997

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## (54) WATERPROOF STRUCTURE OF BATTERY COVER FOR PORTABLE ELECTRONIC APPARATUS

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a water-proof structure of battery cover for a portable electronic apparatus, wherein even if the battery cover is opened and shut frequently the cover can be opened and shut without a tool, and a gap between a casing and the battery cover can be waterproofed completely.

**SOLUTION:** A battery case 3a that forms a battery pocket 6 that can accommodate a power source battery 5 is incorporated in a casing, and the surface of the battery pocket is covered with a slender battery cover 7 that can be slidingly opened and shut. A waterproof packing 9 that surrounds the outside of the battery pocket is installed either on the surface of the battery case or inside the battery cover, and a frame style waterproof rib 10 of the same form as the waterproof packing that can pressure contact its top face with the surface is projected on the surface of the battery case and also on the other of the inside of the battery cover, and the rigid guide means that maintains the interval of the battery cover to the battery case at the location that the waterproof packing is a little de-

viated from the frame style waterproof rib is provided between the surface of the battery case and inside of the battery cover, and a lock means that can maintain a pressure contact state between the frame style waterproof rib 10 and the waterproof packing 9 coincided with each other by sliding the battery cover on the casing is provided between the edge of the battery case 3a and the part near the edge of the battery cover.

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